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**PATENT**

## **APPENDIX**

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**Description of Canadian Patent Application 2,301,935**



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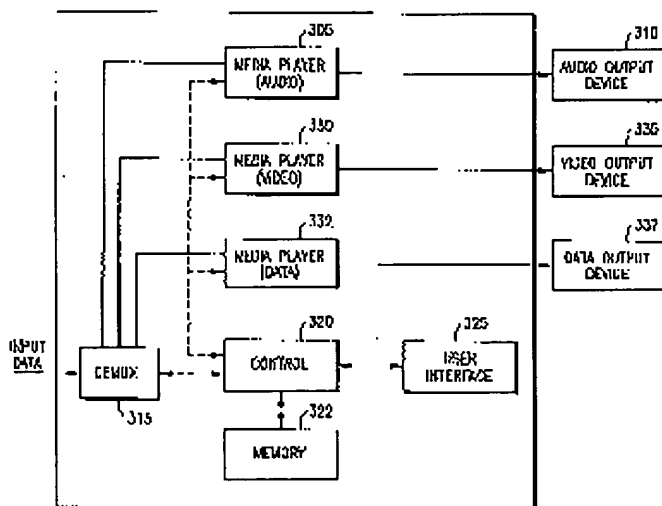
(12) Patent Application:

(11) CA 2301935

(54) STREAMING MEDIA CONTROL AND SYNCHRONIZATION APPLICATION  
PROGRAM INTERFACE (API) FOR A DIGITAL TELEVISION RECEIVER

(54) INTERFACE DE PROGRAMME D'APPLICATION DE COMMANDE ET DE  
SYNCHRONISATION D'INFORMATION EN CONTINU POUR UN RECEPTEUR DE  
TELEVISION NUMERIQUE

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### ABSTRACT:

A streaming media control and synchronization application program interface (API) for a digital television receiver. The API provides a simple alternative to the Java Media Framework for JavaTV and other television software environments, including the

Advanced Television Systems Committee Digital TV

Application Software Environment (ATSC T3/S17 DASE), and the Digital Video Broadcast Multimedia Home

Platform (DVB MHP). This API enables playing back media, and controlling the playback. The API includes a media presentation control package, "MediaComponentPresenter," and a service presenter hierarchy. The API controls stopping, starting, suspending and resuming the presentation of the streaming audio and/or video at a media player, e.g., at a television set-top receiver. The API also provides a start method that attempts to synchronize the presentation of audio and/or video streams according to associated locators of the streams. The

API also can take checkpoints of the audio and/or video as it is playing, where the checkpoints indicate temporal locations of the audio and/or video for initiating a rewind operation.

CLAIMS: [Show all claims](#)

\*\*\* Note: Data on abstracts and claims is shown in the official language in which it was submitted.

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**G06F 9/44**

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60/127753	United States	Apr. 5, 1999

[Availability of licence](#):

**N/A**

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**English**

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